

WHAT IS CLAIMED IS:

1. A device for treating waste product, which comprises:

a toilet having a first sensor disposed in the vicinity of the toilet for sensing a user;

a waste product holding tank communicating with the toilet, the waste product holding tank containing a water pump disposed therein; and

a second sensor provided for sensing the volume of the waste-water product mixture;

a water holding tank communicating with the toilet, the water holding tank having a water pump disposed therewithin for pumping water to the toilet during the flushing operation;

a vacuum container connected with the waste product holding tank and the water holding tank, the vacuum container operating to transfer the waste product produced-water mixture from the waste product holding tank to the vacuum container;

a stirring member disposed in the vacuum container for breaking up waste product transferred thereto;

a heating system operatively associated with the vacuum container for drying the waste product to an ash;

means for introducing water from the water holding tank to ash in the vacuum container to form a gel; and

means for separating the water from the gel, returning the water to the water holding tank, and discarding the gel residue.

2. The device of claim 1, wherein the first sensor is provided with a ventilating fan, a high temperature heater deodorizer, a cooling device, a plate type heat exchange device, and an optical catalyst deodorizer for ventilating odor and refrigerating moisture to make water to be sent to the water holding tank while the user are using the toilet.

3. The device of claim 1, wherein the toilet is provided with a flushing lever disposed on the outside thereof for flushing after the user finishes using the toilet, so that the water-waste product mixture from the toilet is transferred to the waste product holding tank when the user flushes the toilet.

4. The device of claim 1, wherein the heating means includes an electromagnetic wave member.

5. A method for treating a waste product, which comprises the steps of:

- (a) Sensing the presence of a user of the toilet facility;
- (b) ventilating odor from the toilet facility, utilizing a ventilating fan, a high temperature heater deodorizer, an air cooling type freezer, a plate type heat exchanger, and an optical catalyst deodorizer;
- (c) refrigerating moisture in the toilet room through the cooling fan, the air cooling type freezer, and the plate type heat exchange freezer, and an optical catalyst deodorizer while the user is using the toilet;

- (d) draining water-waste product mixture in the toilet to a waste product holding tank when the user flushes the toilet;
- (e) pumping water from a water holding tank to the inside of the toilet , to clean the toilet when the flushing lever returns to its original state;
- (f) pumping the water-waste product mixture in the waste product holding tank to a vacuum container;
- (g) breaking up the waste product;
- (h) drying the water-waste product mixture in the vacuum container by applying heat to the mixture to produce a solid ash product;
- (i) adding water to the solid ash product to form a gel;
- (j) passing the gel through a strainer to separate the water from the gel and form a residue;
- (k) returning the water to the water holding tank; and
- (l) discarding the residue.